

# Louisiana Delta Community College

## Academic Affairs Master Syllabus

Date Approved or Revised: 10/28/09

Course Name: Introduction to Weather and Climate I  
Course Number: ATMO 101

Lecture Hours: 3

Lab Hours: 0

Credit Hours: 3

**Course Description:** Atmospheric Science (ATM 101) 3 credit hours. This course will present an integrated approach to basic meteorology. Basic science skills, such as the scientific method, will be highlighted through meteorology. Meteorology concepts such as structure of the atmosphere, solar radiation, temperature, and atmospheric stability will be covered. Prerequisites: none.

Ahrens, C., *Meteorology Today*, 9<sup>th</sup> edition. Thomson Publishing

Prerequisites: None

Co-requisites: None

### Learning Outcomes:

On completion of this course, the student will be able to:

- A. Identify and explain major concepts in meteorology and its various subtopics.
- B. Discuss orally and explain in writing how weather affects our everyday lives.
- C. Explain the importance of weather on society and the business world.
- D. Utilize the process skills and problem-solving skills to solve laboratory applications in meteorology.
- E. Explain and give examples of the relationship of science, technology, and society.

### Assessment Measures:

#### Assessment

1. Written examinations (100 points each)
2. Quizzes (announced and unannounced)
3. Class work points: problem solving and laboratory activities, individual and/or group projects, and class participation (up to 150 points).